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Experimental and Kinetic Investigation of Stoichiometric to Rich NH₃/H₂/Air Flames in a Swirl and Bluff-Body Stabilized Burner

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#	Paper	IF	Citations
14	Special Issue in Memory of Professor Mário Costa. <i>Energy & Fuels</i> , 2021 , 35, 6935-6939	4.1	
13	Liquid ammonia spray combustion in two-stage micro gas turbine combustors at 0.25 MPa; Relevance of combustion enhancement to flame stability and NOx control. <i>Applications in Energy and Combustion Science</i> , 2021 , 7, 100038	0.8	3
12	Numerical Analysis on the Evolution of NH ₂ in Ammonia/hydrogen Swirling Flames and Detailed Sensitivity Analysis under Elevated Conditions. <i>Combustion Science and Technology</i> , 1-28	1.5	1
11	Review on the recent advances on ammonia combustion from the fundamentals to the applications. <i>Fuel Communications</i> , 2022 , 10, 100053	1	5
10	On the Use of Ammonia as a Fuel – A Perspective. <i>Fuel Communications</i> , 2022 , 100064	1	1
9	Reaction zone characteristics, thermal performance and NOx/N ₂ O emissions analyses of ammonia MILD combustion. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 21013-21031	6.7	0
8	Data-driven discovery of heat release rate markers for premixed NH ₃ /H ₂ /air flames using physics-informed machine learning. 2022 , 330, 125508		0
7	The Effects of Turbulence on the Flame Structure and NO Formation of Ammonia Turbulent Premixed Combustion at Various Equivalence Ratios.		0
6	A review on ammonia blends combustion for industrial applications. 2023 , 332, 126150		0
5	Numerical Investigation of Rich-Lean Staging in a SGT-750 Scaled DLE Burner with Partially-Decomposed Ammonia. 2022 ,		0
4	Effects of molecular diffusion modeling on turbulent premixed NH ₃ /H ₂ /air flames. 2022 ,		1
3	Overview of fundamental kinetic mechanisms and emission mitigation in ammonia combustion. 2023 , 458, 141391		0
2	Removal and mechanism analysis of NO emissions in carbon-free ammonia combustion systems with a secondary fuel injection. 2023 , 344, 128088		0
1	DNS study on reactivity stratification with prechamber H ₂ /air turbulent jet flame to enhance NH ₃ /air combustion in gas engines. 2023 , 347, 128387		0